

CLAIMS

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1. A latch mechanism including a housing, a pawl ¹⁵ movably mounted in the housing to release the latch, with at least one of an inside and outside lock link ²² mounted for movement with the pawl with the at least one lock link being movable between a first position at which operation of an associated release means causes movement of the pawl to release the latch, and a second position at which operation of the associated release means does not cause movement of the pawl.

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2. ~~A latch mechanism as defined in claim 1 in which the pawl is rotatably mounted in the housing.~~

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3. A latch mechanism as defined in claim 1 or 2 in which a pawl lifter is connected to a pawl and the at least one lock link is mounted on the pawl lifter.

4. A latch mechanism as defined in any preceding claim in which the at least one lock link is pivotally mounted for rotational movement between its first and second positions.

5. A latch mechanism as defined in any preceding claim in which the inside and outside lock link are both mounted for movement with the pawl.

6. A latch mechanism as defined in any preceding claim in which indexing of a cam effects movement of the at least one lock link between its first and second positions.

7. A latch mechanism as defined in claim 6 in which the cam is rotationally mounted for indexing.

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8. A latch mechanism as defined in claim 7 when dependent upon claim 2 in which the cam is rotationally mounted co-axially with the pawl.

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9. ~~A latch mechanism as defined in any one of claims 6 to 8 in which the cam~~
includes at least 2 cam lobes which position the at least one lock link in one of the
first and second positions, with the at least 2 cam lobes being separated by a cam
valley which positions the at least one lock link in the other of the first and second
positions.

10. A latch mechanism as defined in any one of claims 6 to 9 in which indexing
of the cam effects movement of both the inside and outside lock links.

11. A latch mechanism as defined in any one of claims 6 to 10 in which the cam
has a plurality of lobes.

12. A latch mechanism as defined in any one of claims 6 to 11 in which the
release means is capable of indexing the cam to move at least one of the lock links
between the first and second positions.

13. A latch mechanism as defined in claim 12 in which the release means is
capable of indexing the cam to move at least one of the lock links from its second
position to its first position.

14. ~~A latch mechanism as defined in any preceding claim in which movement of~~
the at least one lock link between its first and second position is effected by a power
actuator

15. A latch mechanism as defined in any preceding claim in which the pawl is
capable of being moved to release the latch by a power actuator.

16. A latch mechanism as defined in claim 15 when dependent upon claim 14 in
which the power actuator which indexes the cam is the same power actuator which
moves the pawl

17. A latch mechanism as defined in claim 16 in which the power actuator drives the cam such that an abutment on the cam operatively co-acts with an abutment fast with the pawl to release the latch mechanism.

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18. ~~A latch mechanism as defined in any preceding claim having a set of operating modes, each mode having alternated states, the set including at least one of a lock mode and a super lock mode, and at least one of a child safety mode and a release mode, changing of the latch mechanism between alternate states of each of the at least two modes of the set being effected by a single power actuator.~~

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19. A latch mechanism as defined in claim 18 in which the set includes the lock mode and the super lock mode and at least one of the child safety mode and release mode.

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20. A latch mechanism as defined in claim 18 or 19 in which the set includes at least one of the lock mode and super lock mode and both of the child safety mode and the release mode.

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21. A latch mechanism as defined in any preceding claim having a set of operating modes, each mode having alternate states, the set including a child safety mode and a release mode, changing of the latch mechanism between alternate states of each of the modes being effected by a single power actuator.

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22. A latch mechanism having a set of operating modes, each mode having alternate states, the set including at least one of a lock mode and a super lock mode, and at least one of a child safety mode and a release mode, changing of the latch mechanism between alternate states of each of the at least two modes of the set being effected by a single power actuator.

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23. A latch mechanism as defined claim 22 in which the set includes the lock mode and the super lock mode and at least one of the child safety mode and release mode.

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24. ~~A latch mechanism as defined in any claim 22 or 23 in which the set includes at least one of the lock mode and super lock mode and both of the child safety mode and the release mode.~~

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25. A latch mechanism having a set of operating modes, each mode having alternate states, the set including a child safety mode and a release mode, changing of the latch mechanism between alternate states of each of the modes being effected by a single power actuator.

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26. A vehicle body including a first and second door, each door including respective first and second latch mechanisms as defined in any preceding claim, each mechanism being operable by respective first and second sets of operating modes, each mode having alternate states, and control of the power actuators being different to provide for different first and second sets of operating modes.

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27. A vehicle body as defined in claim 26 in which the first and second latch mechanisms are substantially the same.

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28. A vehicle including a first and second door, each door including respective first and second latch mechanisms, the first and second latch mechanisms being substantially the same, and being operable by respective first and second power actuators to give respective first and second sets of operating modes each mode having alternate states, control of the power actuators being different to provide for

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~~different first and second sets of operating modes.~~

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